

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-578 Rev. F AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-578 REV. 1

REF CANADIAN STC: SH93-4

REF FAA STC: SR00028NY, SR00029NY

REF EASA STC: EASA.10016984

REF ARGENTINIAN STC: CTS-0508.13(A)

1.0 PURPOSE

The purpose of this Dart Service Instruction is to add the D350-578-015/-017 Bearpaw Kits to this approval. The D350-578-015/-017 Bearpaw Kits are designed to be compatible with D350-636-015/-016/-017/-018/-215/-216/-217/-218 Skidtubes equipped with training wearplates. The D350-578-015/-017 Bearpaw Kits are also compatible with the D350-636-XXX Skidtubes equipped with standard wearplates/wearshoes. The D350-578-015 Bearpaw Kit is based on the original D350-578-011 Bearpaw Kit while the D350-578-017 Bearpaw Kit is based on the D350-578-013 Bearpaw Kit which doesn't have the machined pockets.

2.0 INSTALLATION

To install D350-578-015/-017 Bearpaw Kit on Dart D350-636-XXX Skidtubes equipped with training wearplates refer to Figures 1 & 2 of this Service Instruction as well as the following:

- 2.1 Jack up the aircraft and ensure the skidtubes are serviceable in accordance with ICA-D350-636.
- 2.2 Position D2432-3 or D4297-3 Bearpaw on the aft end of each skidtube so that the bearpaw clamps are located on either side of the aft saddle as shown in Figure 1 of this Service Instruction. The Bearpaws should be installed over the training wearplates.
- 2.3 Attach the D4011-1 clamps with the hardware shown in Figure 2 of this Service Instruction. Additional AN960JD416 (or NAS1149D0463J) washers may be installed under the nuts to ensure 1.5-4 threads in safety on the bolts. Although not generally necessary, it is also acceptable to replace the AN4-20A bolts with longer or shorter AN4 bolts, if required.


CAUTION: The torque on the nuts should be limited to 20 in-lb (2.3 Nm)

- 2.4 Lower the aircraft.
- 2.5 Update the aircraft log book to indicate installation of the D350-578-015/-017 Bearpaw and adjust the empty weight and balance record for the rotorcraft with the information given in section 5.0 of this service instruction.

3.0 MAINTENANCE

The D350-578-015/-017 Bearpaw Kit should be maintained in accordance with ICA-D350-578.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	12.05.17
CERT. NO.:	SH93-4
ISSUE NO.:	8

A	NEW ISSUE	AP	12.05.17
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DESIGN	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AP		
CHECKED	92	DRAWING NO.	REV. A
MFG. APPR.	NA	DSI 9616	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		BEARPAW INSTALLATION	NTS
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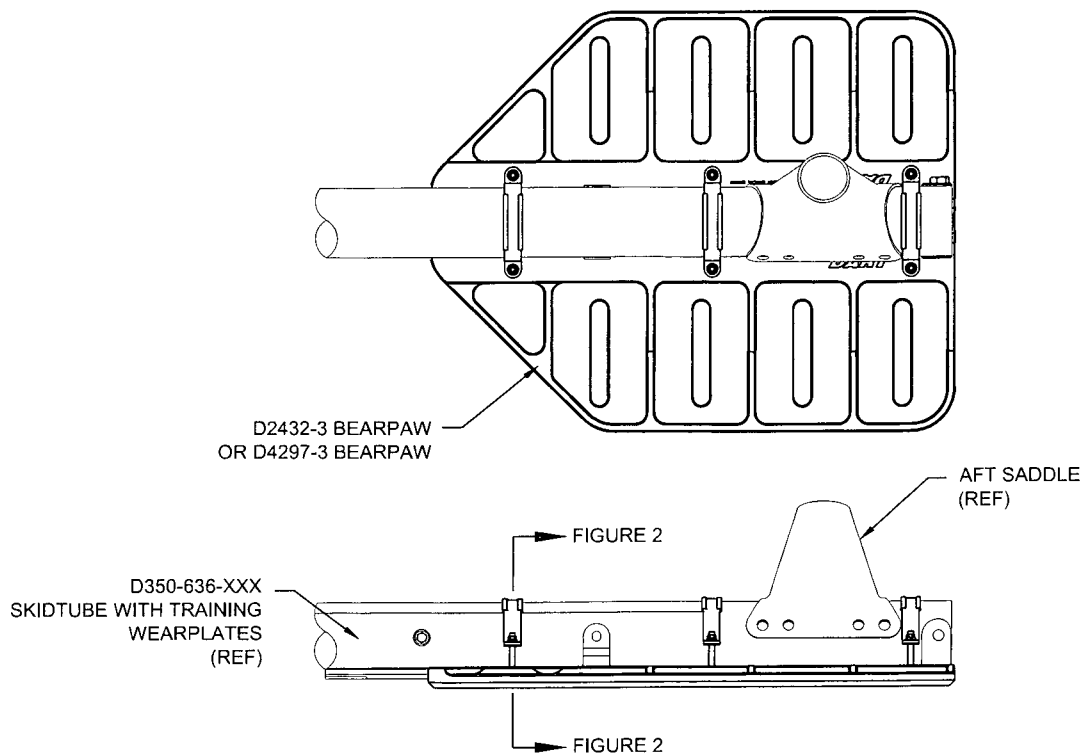


Figure 1 - Bearpaw Location
(D350-578-015 Kit Shown, -017 Similar)

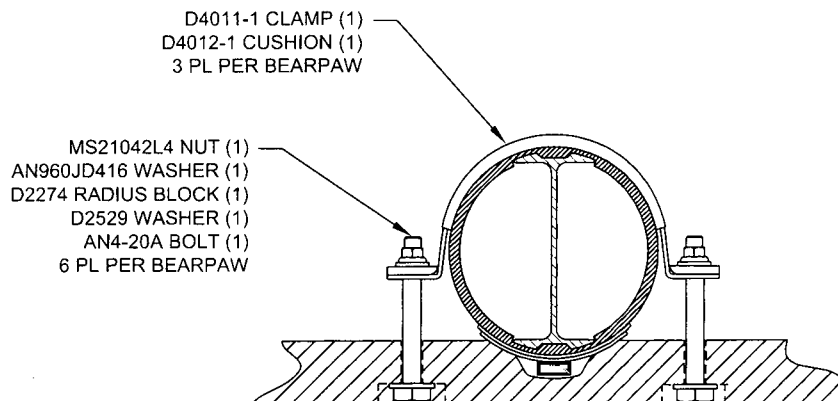


Figure 2 - D4011-1 Clamp Installation

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
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D. SHEPHERD (DE # 02)

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DESIGN	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AP		
CHECKED	<i>97</i>	DRAWING NO.	REV. A
MFG. APPR.	NA	DSI 9616	SHEET 2 OF 3
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4.0 PARTS LIST

QTY -015	QTY -017	PART NUMBER	DESCRIPTION
		D350-578-015	BEARPAW INSTALLATION
		D350-578-017	BEARPAW INSTALLATION (No Pockets)
12	12	D2274	RADIUS BLOCK
12	12	D2529	WASHER
2		D2432-3	BEARPAW
6	6	D4011-1	CLAMP
6	6	D4012-1	CUSHION
	2	D4297-3	BEARPAW
12	12	AN4-20A	BOLT
12	12	AN960JD416	WASHER (NAS1149D0463J)
12	12	MS21042L4	NUT

5.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D350-578-015 Bearpaw installation	13.8 lb 6.26 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	157.0 in 3.99 m	2167 in-lb 24.98 m-kg
D350-578-017 Bearpaw installation (No pockets)	18.6 lb 8.44 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	157.0 in 3.99 m	2920 in-lb 33.68 m-kg

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DRAWN	AP		
CHECKED	90	DRAWING NO.	REV. A
MFG. APPR.	NA	DSI 9616	SHEET 3 OF 3
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